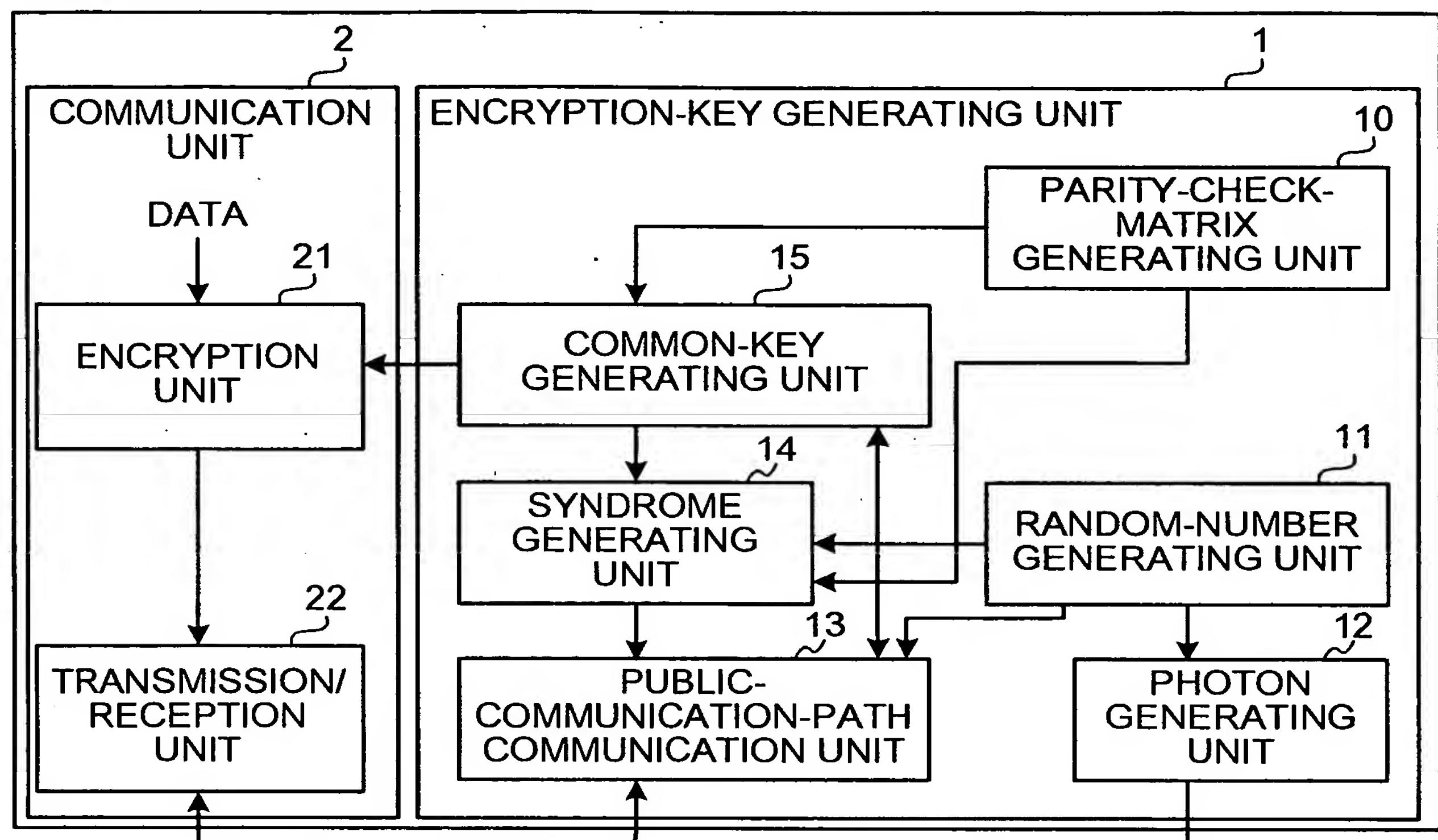


FIG.1

COMMUNICATION APPARATUS



PUBLIC
COMMUNICATION
PATH

QUANTUM
COMMUNICATION
PATH

COMMUNICATION APPARATUS

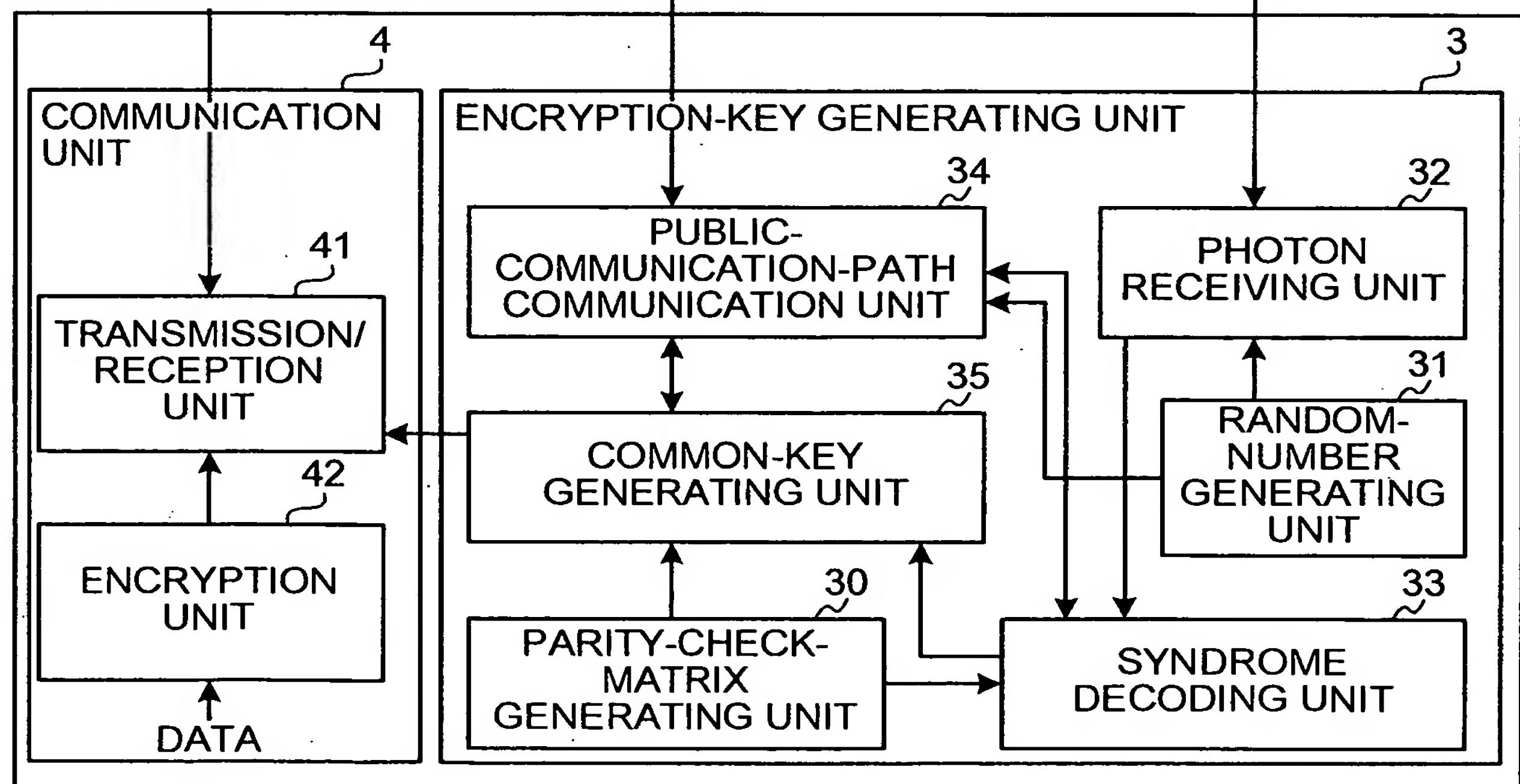


FIG.2

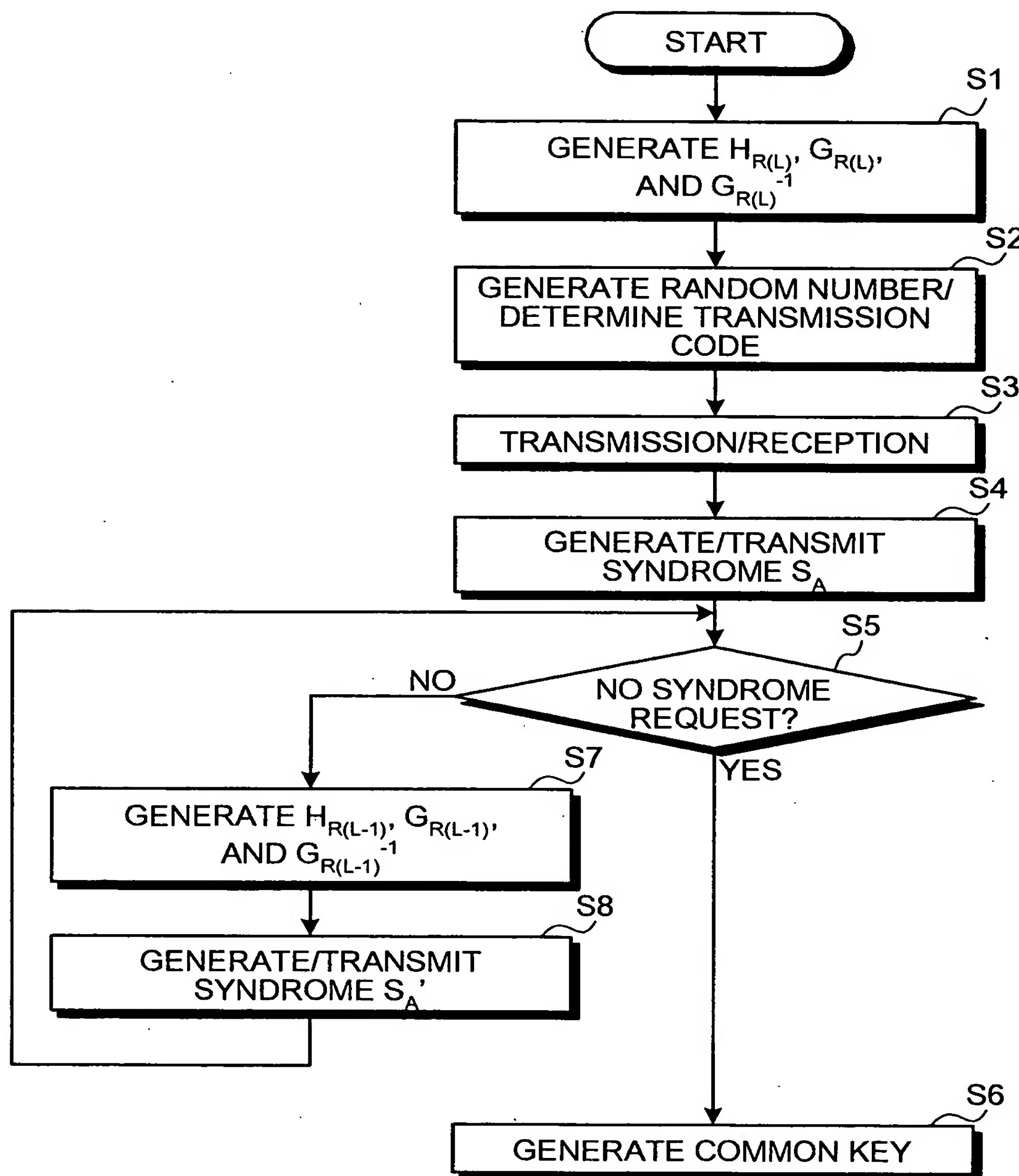


FIG.3

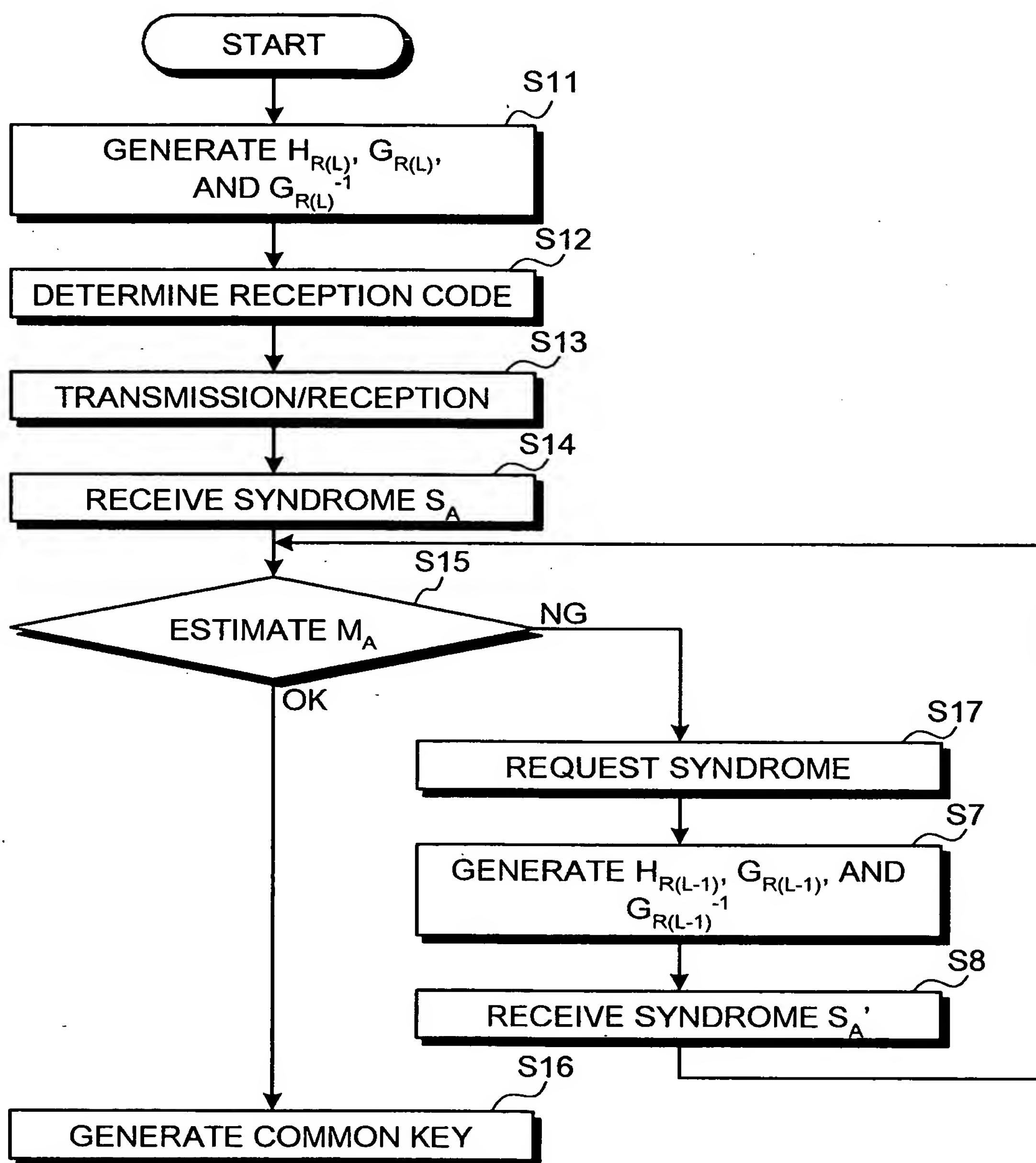


FIG.4

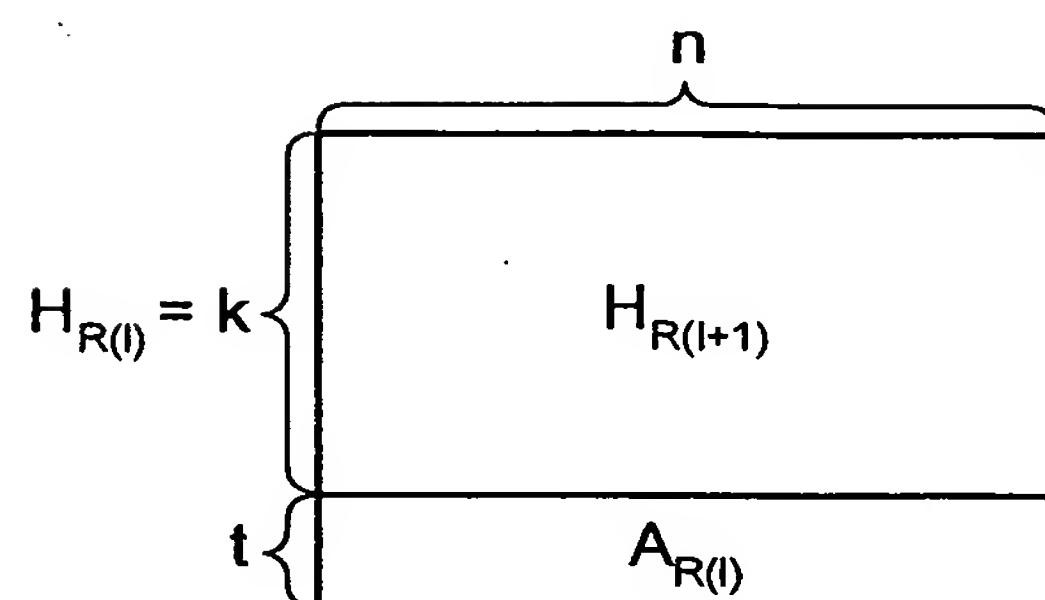


FIG.5

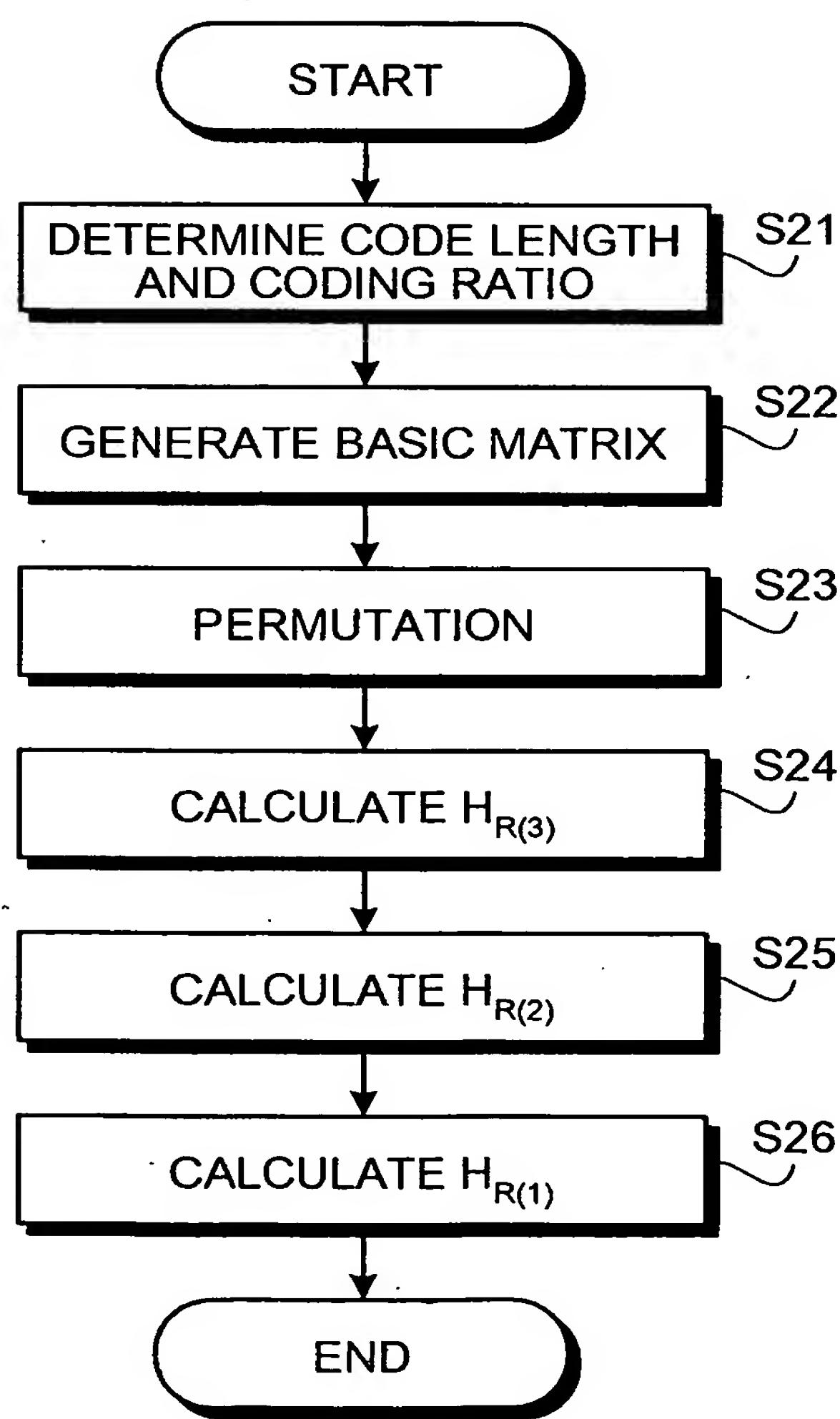


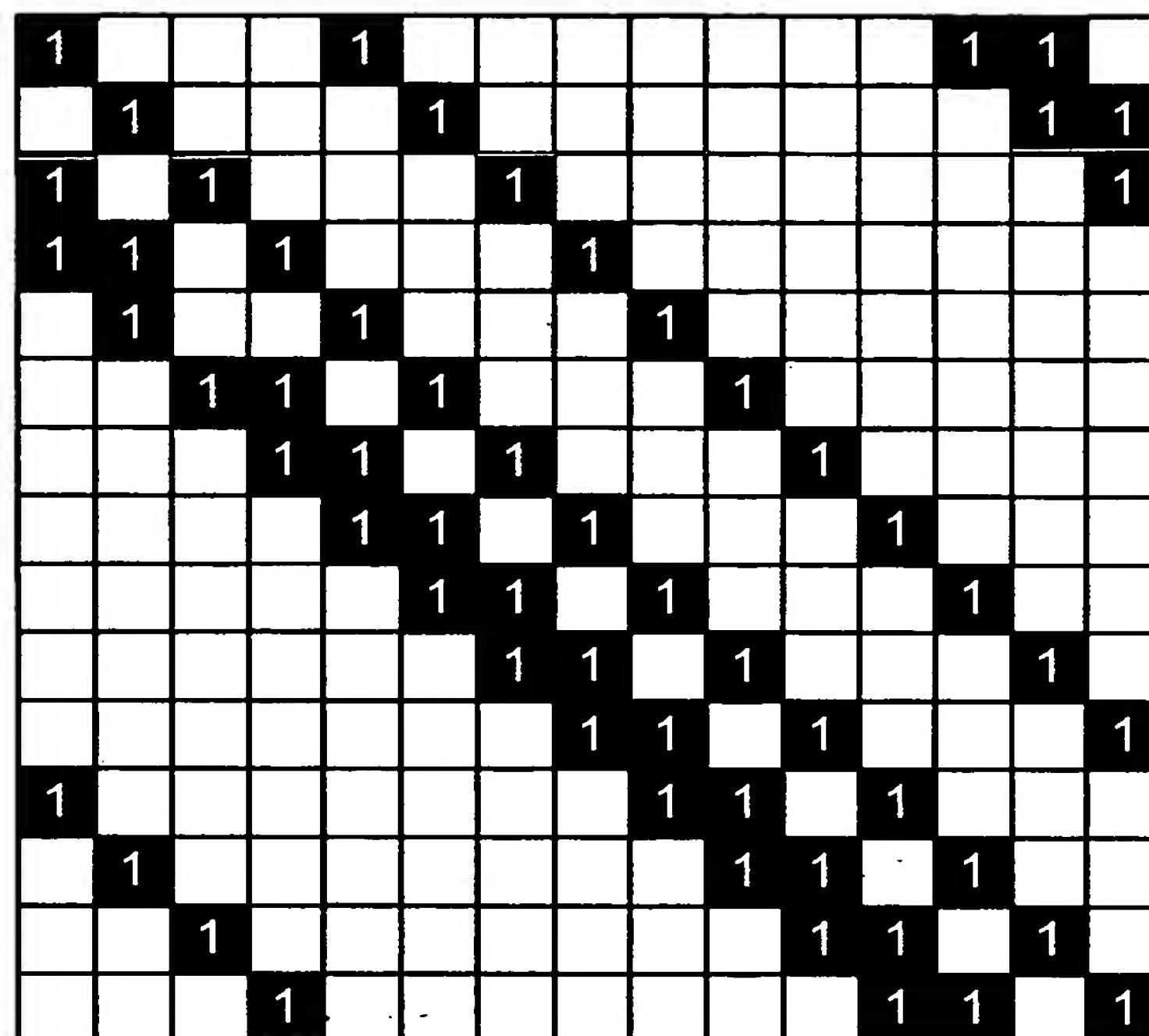
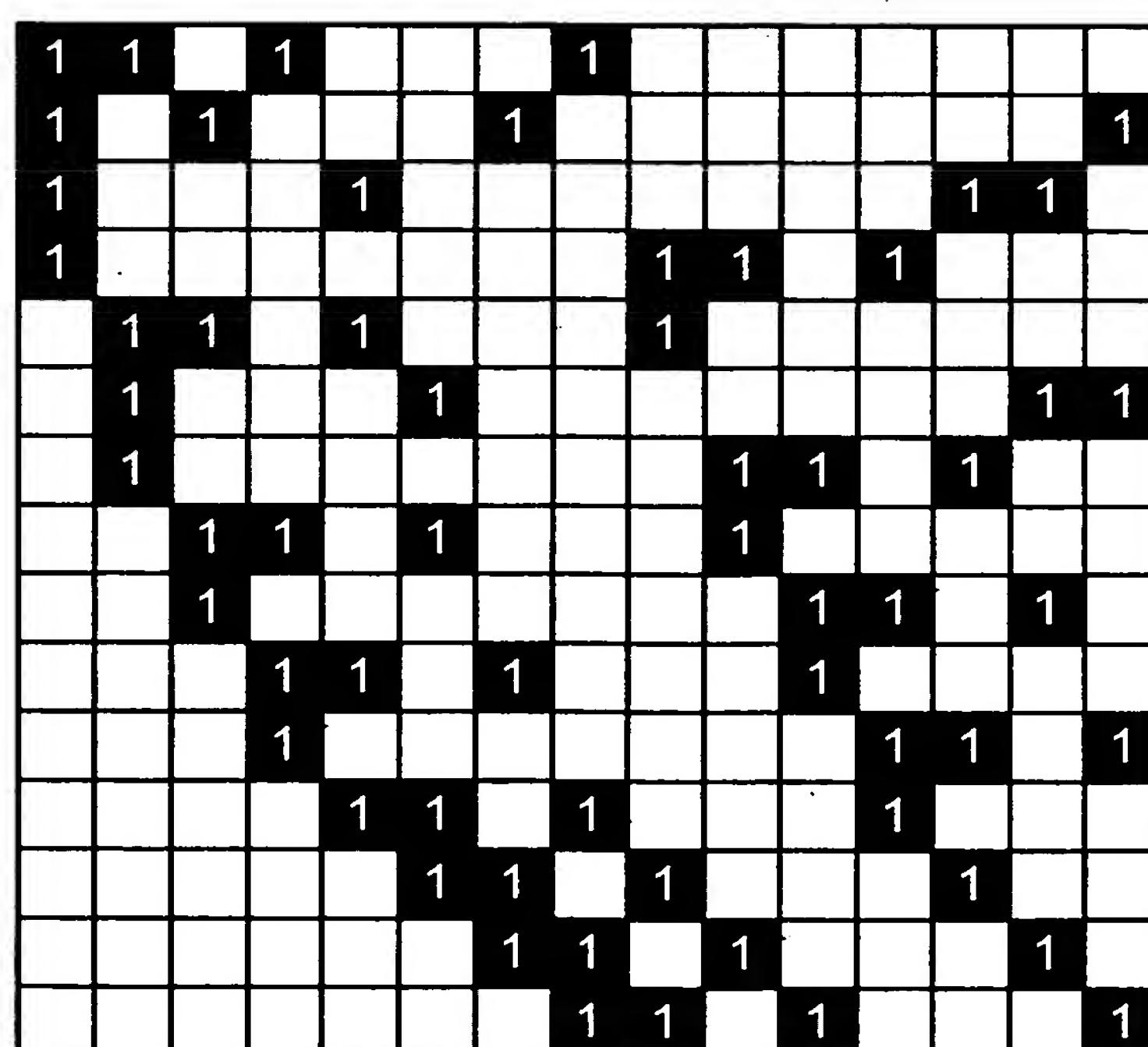
FIG.6**FIG.7**

FIG.8

RATE	RATE=0.6
1	
2	0.01
3	0.970022733
4	0.019977267
ORDER i	ROW ORDER RATIO $\rho_i(R(i))$
2	
7	7/15
8	8/15

FIG.9

		$H_{R(i)=0.6}$	NUMBER OF COLUMNS $n_v(x, R(i)) (m'=1000)$
ORDER i	COLUMN ORDER RATIO $\lambda_i(R(i))$		
1			
2	0.0372	279	
3	0.8884	4442	
4	0.0744	279	
ORDER i	ROW ORDER RATIO $\rho_i(R(i))$	NUMBER OF ROWS $n_c(x, R(i)) (m'=1000)$	
2			
3			
7	7/15	1000	
8	8/15	1000	

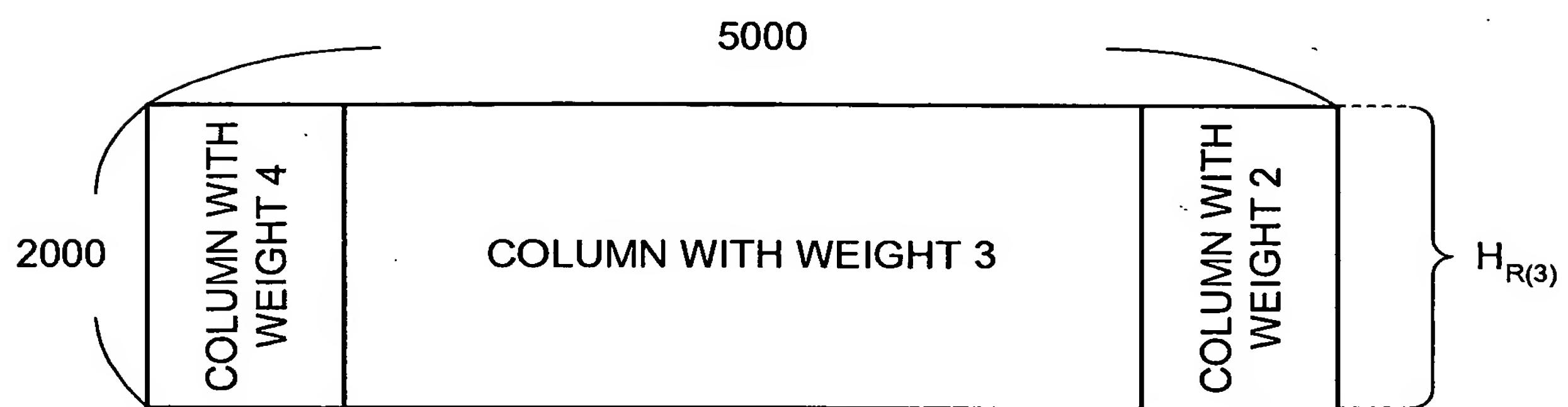
FIG.10

FIG. 11

ORDER i	$H_{R(i)=0.6}$	$H_{R(i)=0.4}$
	COLUMN ORDER RATIO $\lambda_i(R(i))$	NUMBER OF COLUMNS $n_v(x, R(i))$ ($m' = 1000$)
1		NUMBER OF COLUMNS $n_v(x, R(i-1))$ ($m' = 1000$)
2	0.0372	279
3	0.8884	4442
4	0.0744	279
5		0.0017
6		0.2833
7		0.0373
8		279
ORDER i	ROW ORDER RATIO $\rho_i(R(i))$	NUMBER OF ROWS $n_c(x, R(i))$ ($m' = 1000$)
2		
3		3/18
7	7/15	1000
8	8/15	1000

FIG.12

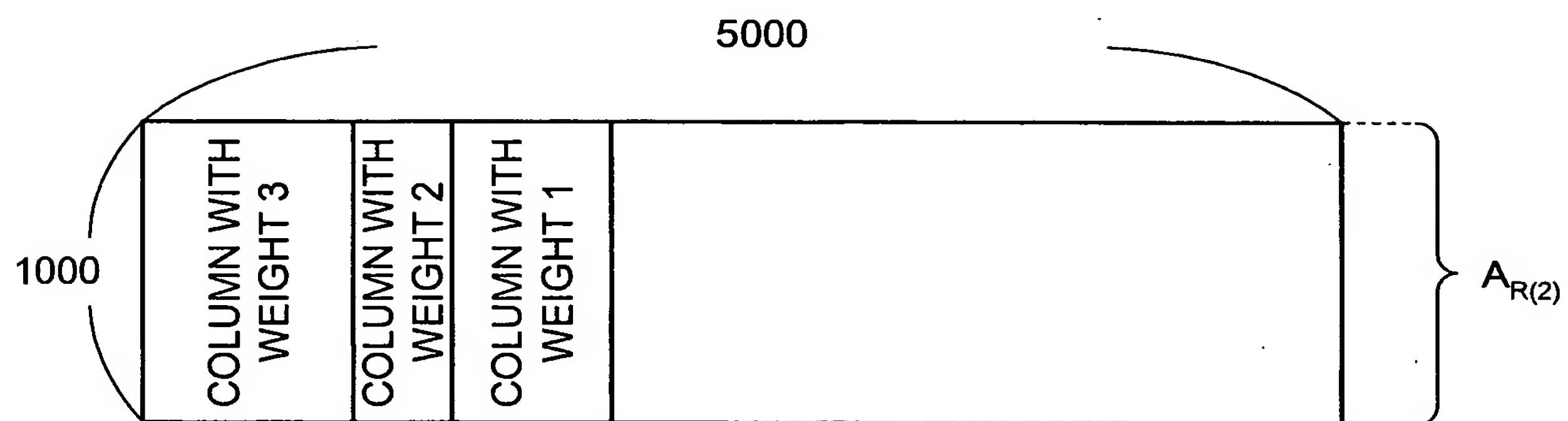


FIG.13

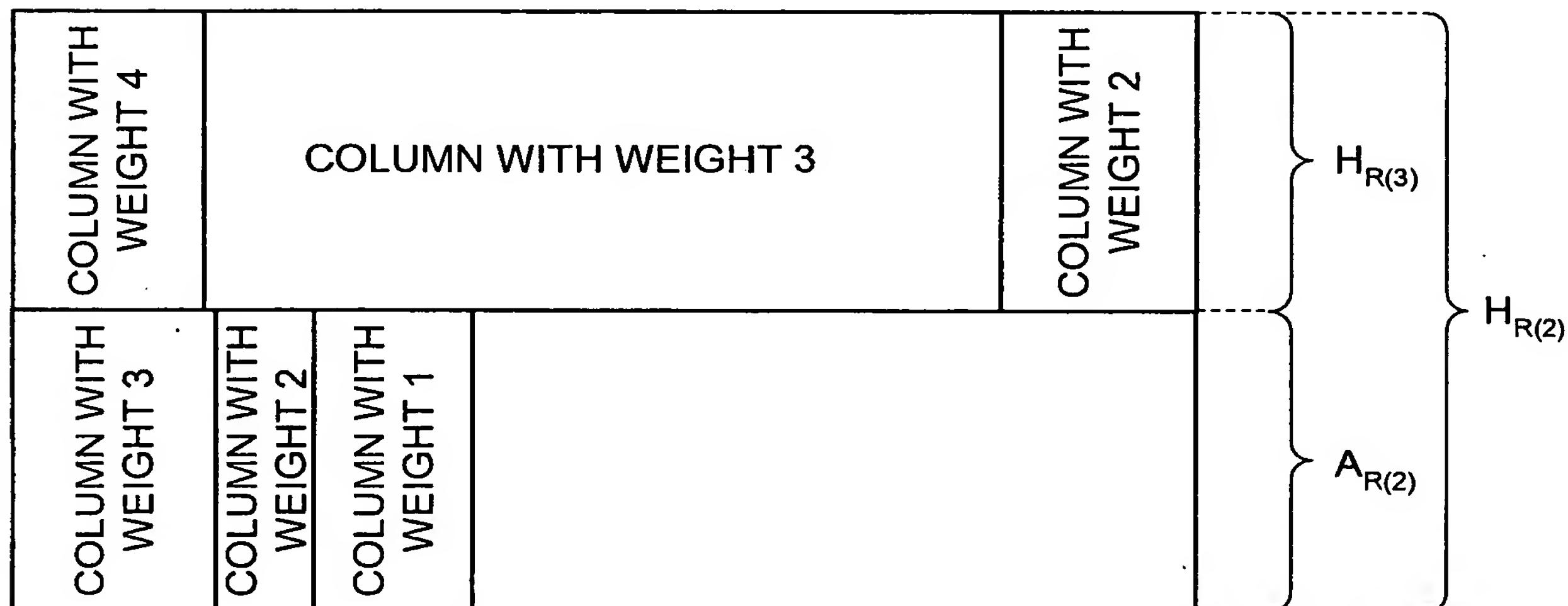


FIG.14

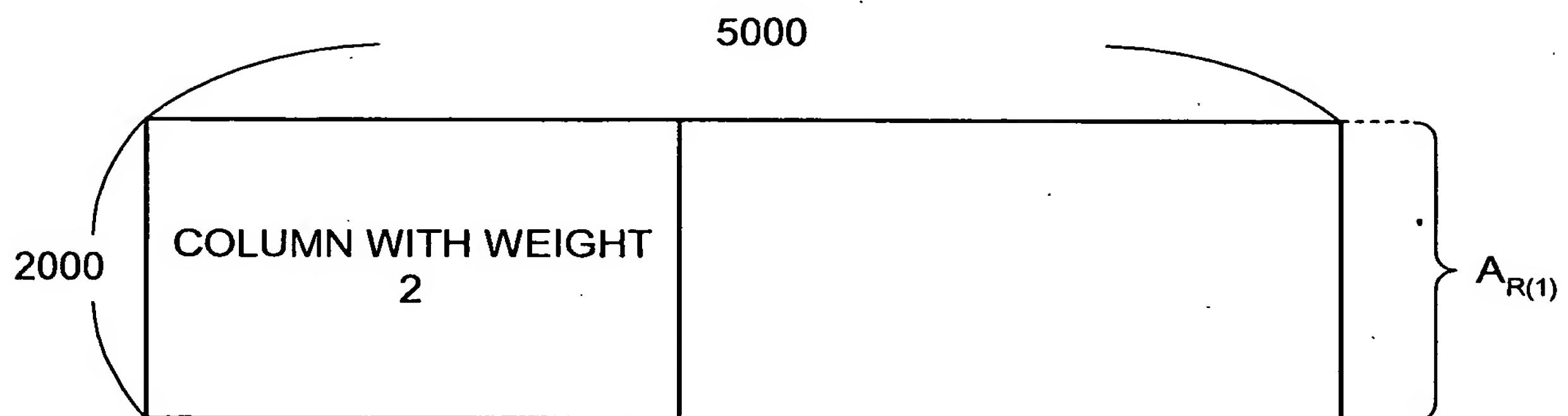


FIG.15

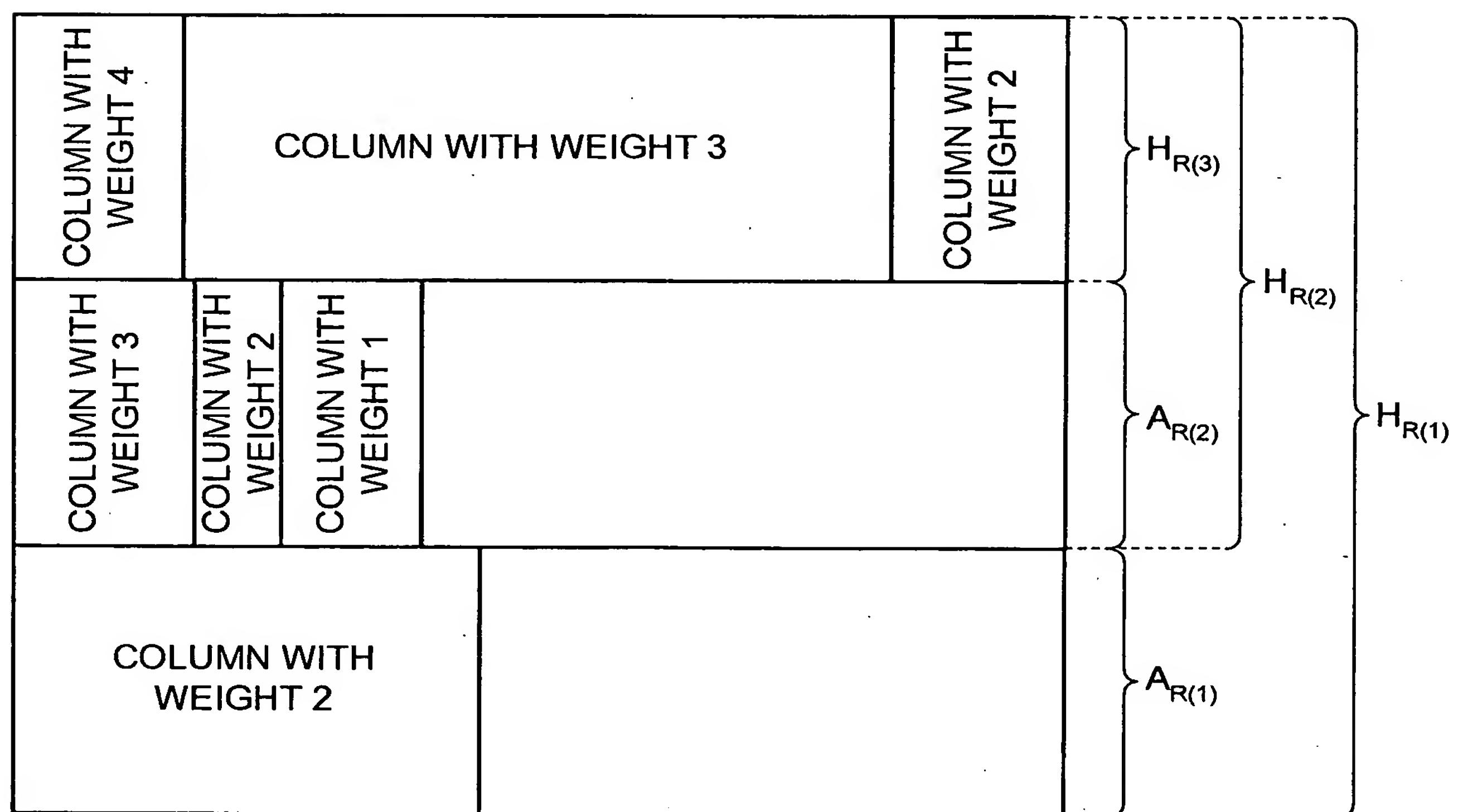


FIG.16

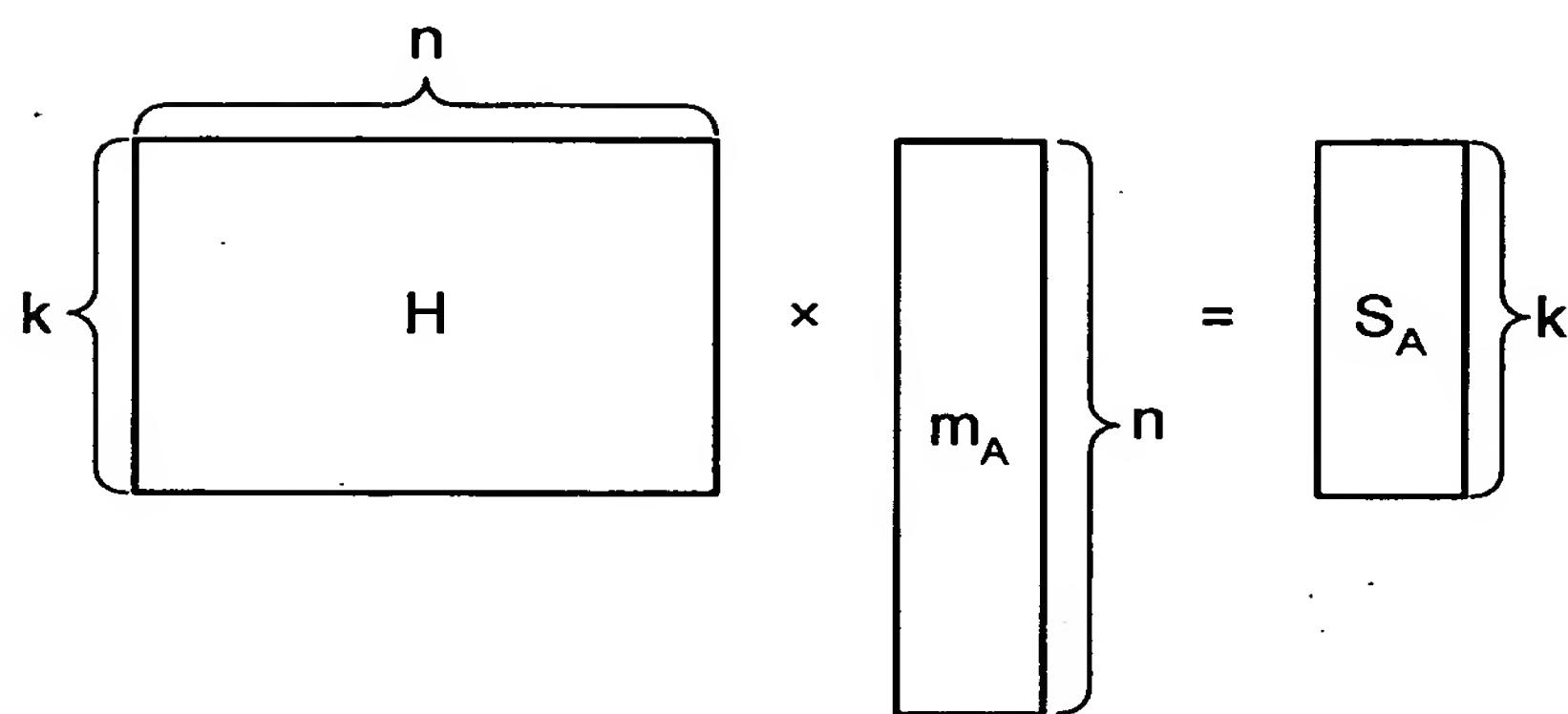


FIG.17

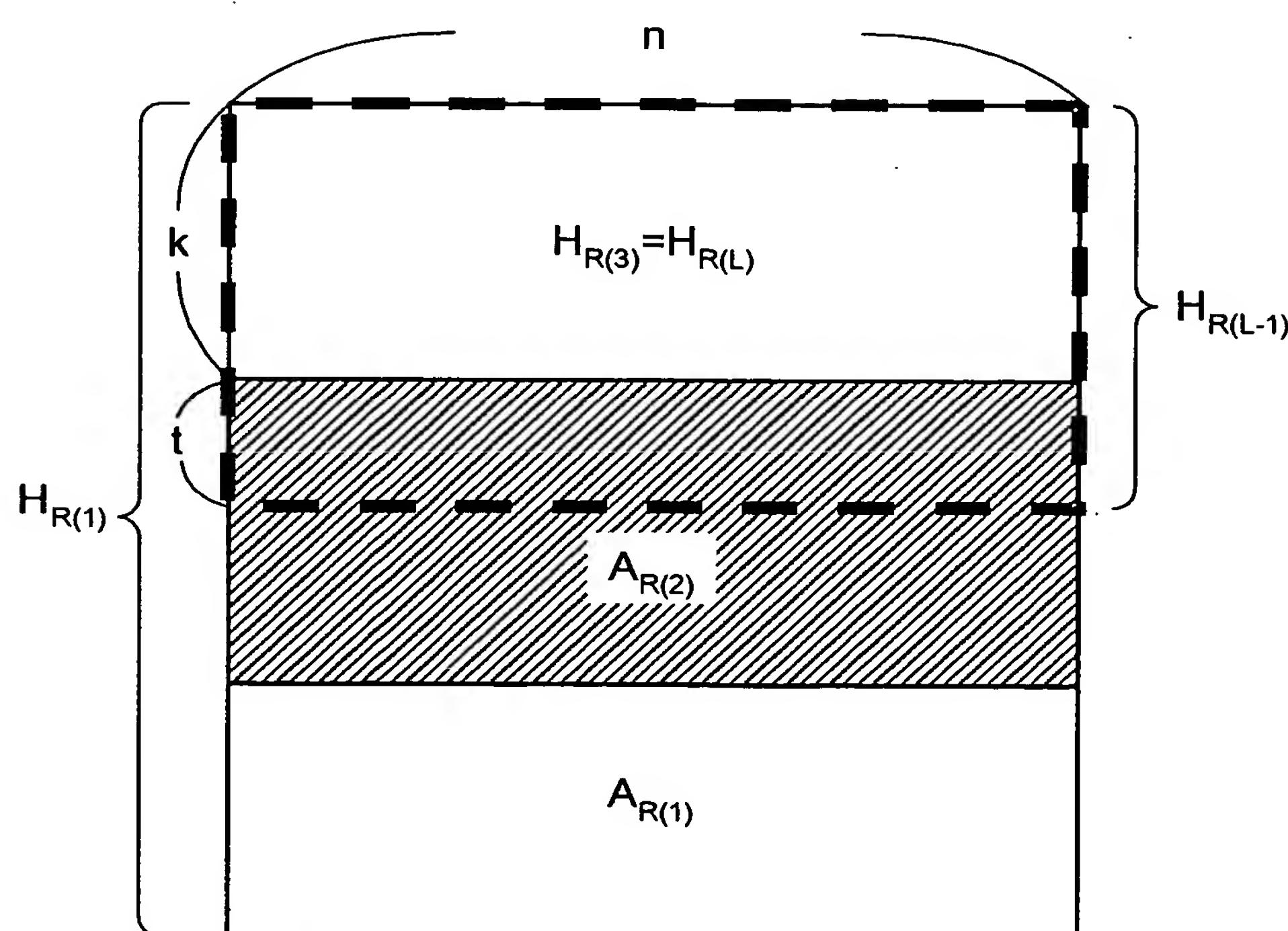


FIG.18

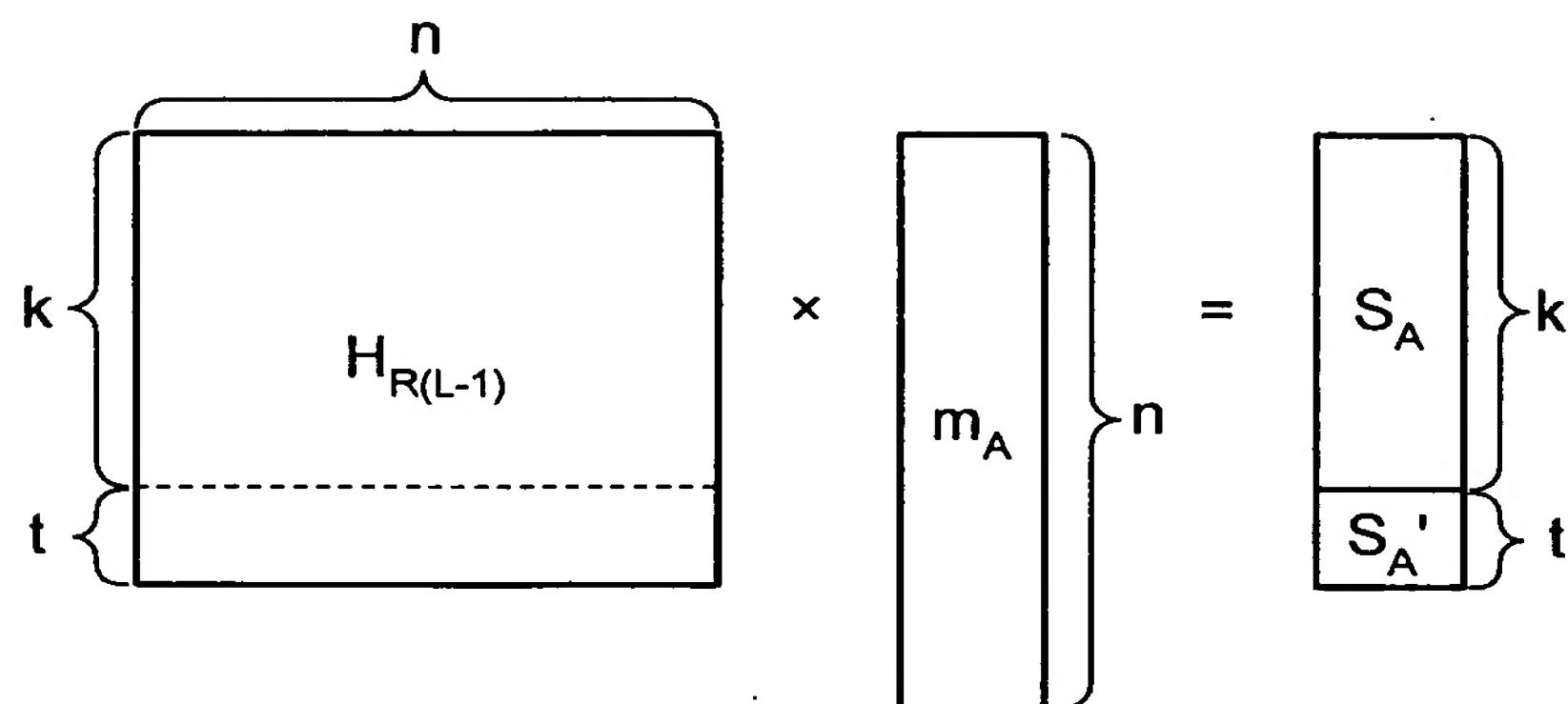


FIG.19

